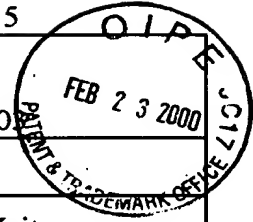


Form PTO-1449 U.S. Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT	Atty. Docket No. TUL2AUSA	Appln. No. 09/445,800
	Applicant: M.T. Philipp	
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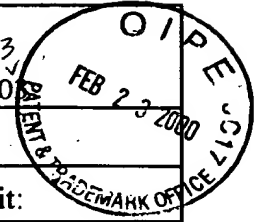
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mg	AL	EP 339,695	11/2/89	European	<input checked="" type="checkbox"/> <input type="checkbox"/>
mg	AM	EP 465,204	1/8/92	European	<input checked="" type="checkbox"/> <input type="checkbox"/>

Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

mg	AR	E. Fikrig et al., "Borrelia burgdorferi P35 and P37 Proteins, Expressed In Vivo, Elicit Protective Immunity," <u>Immunity</u> , <u>6</u> :531-539 (May 1997)
Bmg	AS	A. Aberer, et al., "Molecular Mimicry and Lyme Borreliosis: A Shared Antigenic Determinant Between Borrelia burgdorferi and Human Tissue," <u>Ann. Neurol.</u> , <u>26</u> :732-737 (December 1989)
Bmg	AT	G.S. Gassmann et al., "N-Terminal Amino Acid Sequence of the Borrelia burgdorferi flagellin," <u>FEMS Microbiol. Lett.</u> , <u>60</u> :101-106 (July 1, 1989)
Bmg	AU	J.R. Zhang et al., "Antigenic Variation in Lyme Disease Borreliae by Promiscuous Recombination of VMP-like Sequence Cassettes," <u>Cell</u> , <u>89</u> (2):275-285 (April 18, 1997)
Bmg	AV	R. Ramamoorthy, "Molecular Characterization, Genomic Arrangement, and Expression of bmpD, a New Member of the bmp Class of Genes Encoding Membrane Proteins of Borrelia burgdorferi," <u>Infect. Immun.</u> , <u>64</u> (4):1259-1264 (April 1996)
mg	AW	J.R. Zhang et al., "Kinetics and in vivo Induction of vlsE Antigenic Variation in Borrelia burgdorferi," EMBL/GenBank/DDBJ databases, Accession No. AF034515, June 2, 1998
mg	AX	H. Kawabata et al., "Genetic and Immunological Analyses of Vls (VMP-like Sequences) of Borrelia burgdorferi," EMBL/GenBank/DDBJ databases, Accession No. AB011063, March 13, 1998
Examiner	mg Swart	
Date Considered	11-29-00	

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	Applicant: M.T. Philipp	
	Filing Date: 12/13/99	Group Art Unit:



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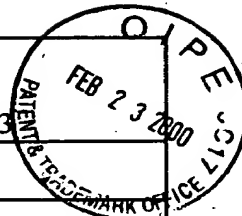
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MS	AY	J.R. Zhang et al., "Kinetics and in vivo Induction of vlsE Antigenic Variation in <i>Borrelia burgdorferi</i> ," EMBL/GenBank/DDBJ databases, Accession No. AF034525, June 2, 1998
MS	AZ	J.R. Zhang et al., "Kinetics and In Vivo Induction of Genetic Variation of vlsE in <i>Borrelia burgdorferi</i> ," EMBL/GenBank/DDBJ Databases, Accession No., AF034523, June 2, 1998
MS	AAR	A.G. Barbour et al., "Variation in a Major Surface Protein of Lyme Disease Spirochete," <u>Infect. Immun.</u> , 45:94-100 (July 1984)
MS	AAS	W.J. Simpson et al., "Reactivity of Human Lyme Borreliosis Sera with a 39-Kilodalton Antigen Specific to <i>Borrelia burgdorferi</i> ," <u>J. Clin. Microbiol.</u> , 28:1329-1337 (June 1990)
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	Applicant: Mario T. Philipp	
	Filing Date: 12/13/99	Group Art Unit: 1643



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MS	AAL	WO 92/00055	1/9/92	PCT WIPO		

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MS	AAW	D.W. Dorward et al., "Immune Capture and Detection of <i>Borrelia burgdorferi</i> Antigens in Urine, Blood, or Tissues from Infected Ticks, Mice, Dogs, and Humans," <u>J. Clin. Microbiol.</u> , 29:1162-1170 (June 1991)
MS	AAX	L. Bakken et al., "Interlaboratory Comparison of Test Results for Detection of Lyme Disease by 516 Participants in the Wisconsin State Laboratory of Hygiene/College of American Pathologist Proficiency Testing Program," <u>J. Clin. Microbiol.</u> , 35:537 (March 1997)
MS	AAZ	J.G. Donahue et al., "Reservoir Competence of White-Footed Mice for Lyme Disease Spirochetes," <u>Am. J. Trop. Med. Hyg.</u> , 36:92-96 (January 1987)
MS	AAZ	R. T. Green et al., "Immunoblot Analysis of Immunoglobulin G Response to the Lyme Disease Agent (<i>Borrelia burgdorferi</i>) in Experimentally and Naturally Exposed Dogs," <u>J. Clin. Micro.</u> , 26:648-653 (April 1988)
MS	BR	D. L. Cox et al., "Limited Surface Exposure of <i>Borrelia burgdorferi</i> Outer Surface Lipoproteins," <u>Proc. Natl. Acad. Sci. USA</u> , 93:7973-7978 (July 1996)
MS	BS	M. Kay et al., "In vivo Hepatic Gene Therapy: Complete Albeit Transient Correction of Factor IX Deficiency in Hemophilia B Dogs," <u>Proc. Natl. Acad. Sci. USA</u> , 91:2353 (March 1994)
Examiner MS Swart		
Date Considered		11-29-00

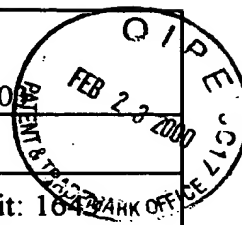
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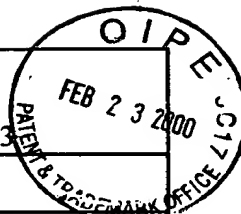
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DNK	BT	S. Ishibashi et al., "Hypercholesterolemia in Low Density Lipoprotein Receptor Knockout Mice and its Reversal by Adenovirus-Mediated Gene Delivery," <u>J. Clin. Invest.</u> , <u>92</u> :883 (August 1993)
DNK	BU	J.R. Zhang et al., "Kinetics and In Vivo Induction of Genetic Variation of <i>vlsE</i> in <i>Borrelia burgdorferi</i> ," <u>Infect. Immun.</u> , <u>66</u> (8):3689-3697 (August 1998)
DNK	BV	J. R. Zhang et al., "Genetic Variation of the <i>Borrelia burgdorferi</i> Gene <i>vlsE</i> Involves Cassette-Specific, Segmental Gene Conversion," <u>Infect. Immun.</u> , <u>66</u> :3698-3704 (August 1998)
DNK	BW	S. M. Kochi et al., "Facilitation of Complement-Dependent Killing of the Lyme Disease Spirochete, <i>Borrelia burgdorferi</i> , by Specific Immunoglobulin G Fab Antibody Fragments," <u>Infect. Immun.</u> , <u>61</u> :2532-2536 (June 1993)
DNK	BX	D.M. Reinitz et al., "Variable and Conserved Structural Elements of Trypanosome Variant Surface Glycoproteins," <u>Mol. Biochem. Parasitol.</u> , <u>51</u> :119-132 (February 1992)
DNK	BY	P. Marrack and J. Kappler, "Subversion of the Immune System by Pathogens," <u>Cell</u> , <u>76</u> :323-332 (January 28, 1994)
DNK	BZ	R. R. Garrity et al., "Refocusing Neutralizing Antibody Response by Targeted Dampening of an Immunodominant Epitope," <u>J. Immunol.</u> , <u>159</u> :279-289 (July 1, 1997)
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FOREIGN PATENT DOCUMENTS

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<i>MB</i>	BBR	Lightfoot et al., "Empiric Parenteral Antibiotic Treatment of Patients with Fibromyalgia and Fatigue and a Positive Serologic Result for Lyme Disease," <u>Ann. Intern Med.</u> , 129:503-509 (September 15, 1993)
<i>MB</i>	BBS	Tugwell et al., "Laboratory Evaluation in the Diagnosis of Lyme Disease," <u>Ann. Intern. Med.</u> , 127:1109-1123 (December 15, 1997)
<i>MB</i>	BBT	K.T. Forest et al., "Assembly and Antigenicity of the <i>Neisseria gonorrhoeae</i> Pilus Mapped with Antibodies," <u>Infect. Immun.</u> , 64:644-652 (February 1996)
<i>MB</i>	BBU	H. Kawabata et al., "Genetic and Immunological Analyses of Vls (VMP-like sequences) of <i>Borrelia burgdorferi</i> ," <u>Microb. Pathog.</u> , 24:155-166 (March 1998)
Examiner	<i>MSW</i>	
	Date Considered	11-29-00

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